

1. Condensation occurs when the air is cooled beyond
 - A) Normal Lapse rate
 - B) Wet Adiabatic Lapse rate
 - C) Dew point
 - D) Dry Adiabatic Lapse rate
2. Which of the following scale is a small scale map?
 - A) World map
 - B) Topographical map
 - C) Village map
 - D) Geological map
3. The Indian Institute of Remote Sensing is located at
 - A) Mumbai
 - B) Bangalore
 - C) Kolkata
 - D) Dehra Dun
4. Who among the following supported and explained Optimum Population theory?
 - A) Rees
 - B) Chandrasekar
 - C) Malthus
 - D) Carr Saunders
5. Which among the following is the longest National Highway in India?
 - A) NH 7
 - B) NH 4
 - C) NH 47
 - D) NH 2
6. Principle of Uniformitarianism was formulated by
 - A) Penck
 - B) Davis
 - C) Powell
 - D) Hutton
7. When both the limbs dip in the same direction, the type of fold is called
 - A) Overfold
 - B) Recumbent fold
 - C) Nappe
 - D) Isoclinal fold
8. The type of fault where there is only horizontal displacement is called
 - A) Tear Fault
 - B) Horst
 - C) Heave
 - D) Graben
9. Which of the following river shows antecedent drainage?
 - A) Mahanadhi
 - B) Indus
 - C) Krishna
 - D) Godavari
10. Find out the steepest gradient among the following
 - A) 1:10
 - B) 1:50
 - C) 1:100
 - D) 1:500
11. Which of the following satellites has the best spatial resolution?
 - A) SPOT
 - B) CARTOSAT 2
 - C) IRS 1D
 - D) IKONOS
12. The oldest rocks occur in
 - A) Himalayas
 - B) East coast
 - C) Andaman islands
 - D) Deccan plateau

25. The core area of Subtropical High pressure usually lies between latitudes
 A) 28° and 32° N B) 12° and 16° N
 C) 46° and 50° S D) 45° and 49° N
26. Burgess developed a model of urban land use called
 A) Sector B) Concentric Zone
 C) Multiple Nuclei D) Social Area
27. The Earth Summit in 1992 was held at
 A) Tokyo B) Copenhagen
 C) London D) Rio de Janeiro
28. In a map Hachuring is used to represent
 A) Settlement B) Road
 C) Relief D) Natural vegetation
29. Which of the following is a GIS terminology
 A) Edge Enhancement B) Contrast Stretching
 C) Digitization D) Rectification
30. The concept of Determinism was strongly supported by
 A) Febvre B) Brunhes
 C) Bowman D) Semple
31. As per Census 2011, the population density is highest in
 A) Kerala B) West Bengal
 C) Bihar D) Uttar Pradesh
32. Which among the following is located in the Andaman Nicobar island group?
 A) Chetlat B) Kiltan
 C) Trinkat D) Androt
33. Which one of the following is a global projection?
 A) Moleweide's projection B) Albert's projection
 C) Cassini's projection D) Bonne's projection
34. Which of the following is **NOT** a green house gas
 A) Carbon Dioxide B) Methane
 C) Chloro-fluoro Carbon D) Sulphurous oxide
35. The Geological Epoch with which the origin of Siwaliks is associated with:
 A) Oligocene B) Eocene
 C) Pleistocene D) Pliocene
36. Lines connecting places of equal transport cost:
 A) Isoneph B) Isohel
 C) Isodapane D) Isogonic

46. In a raster model, an area is represented by a
 A) Group of cells B) String of cells
 C) Single cell D) Line of cells
47. The term 'isostasy' was coined by
 A) George Airy B) Holmes
 C) Pratt D) Dutton
48. In spite of high insolation, Equatorial regions are cooler than the Subtropical regions. This is due to
 A) Cold currents B) Higher altitude
 C) Cloudiness D) All the above
49. The western disturbances bring rainfall to
 A) Punjab B) U.P.-Bihar belt
 C) Kerala D) Tamilnadu
50. Von Thunen's Theory postulated in the year _____ can best be described as a _____ theory.
 A) 1838, positive B) 1826, normative
 C) 1826, positive D) 1838, normative
51. Growth Pole concept was put forth by
 A) Perroux B) Losch
 C) Myrdal D) Hagerstrand
52. In the case of direct contact positive method, the size of the original and that of the copy
 A) Copy is smaller than the original
 B) Copy is larger than the original
 C) Are the same
 D) Are not the same
53. The term 'Regur' refers to
 A) The lateritic soil B) The black cotton soil
 C) The red soil D) The alluvial soil
54. COMECON Trade Block consisted of
 A) The countries of East Europe
 B) The countries of West Europe
 C) The countries of North America
 D) The countries of Commonwealth
55. An instrument that aids the enlargement and reduction of maps is
 A) Variography B) Seismogram
 C) Hythergraph D) Pantograph
56. Scalogram was introduced by
 A) Berry B) Garrison
 C) Guttman D) Klaassen

65. The maintenance of the general circulation of the air movement is most effectively accomplished due to
 A) The heat transportation from equator to poles
 B) The effect of frontal systems
 C) Vertical rising of warmer air
 D) Convergence and divergence of the wind
66. Lowest Level of central place in the system of growth foci will be a
 A) Service centre
 B) Growth point
 C) Growth centre
 D) Central village
67. The graph showing reference to human comfort and humidity is
 A) Ergograph
 B) Hythergraph
 C) Climograph
 D) Seismograph
68. Grass-root planning is a
 A) Bottom to top approach
 B) Sectoral approach
 C) Top to bottom approach
 D) Top-down approach
69. The broken up rock materials due to weathering fall along the steep slope and collected at the bottom of the slope. It is known as
 A) Drass
 B) Alluvial deposits
 C) Rock fragments
 D) Screens
70. Losch has formulated the
 A) Locational Interdependence
 B) Economic Landscape
 C) Beach Theory
 D) Matrix Concept
71. A violent torrential shower of rain or hail, generally short lived but capable of considerable damages because of the large volume of water precipitated is called
 A) Tornado
 B) Hurricane
 C) Cloud burst
 D) Water spout
72. Heterogeneous mixture of rock fragments ranging in size from clay to boulders is known as
 A) Moraine
 B) Drumlin
 C) Glacial Till
 D) Outwash plain
73. The type of planning necessary for developing countries where necessary bases for economic development are either too weak or non-existent is
 A) Short-term planning
 B) Long-term planning
 C) Developmental planning
 D) Economic planning
74. If the temperature recorded at an elevation of 1000 metres of a place is 26.5° C its sea level temperature will be
 A) 20° C
 B) 33° C
 C) 26.5° C
 D) 30.5° C

75. Katni is famous for
 A) Steel B) Cement
 C) Aluminium D) Fertilizers
76. Which one of the following landforms is **NOT** the product of denudation in an arid region?
 A) Sief B) Reg
 C) Grike D) Erg
77. When the environmental lapse rate is greater than the dry adiabatic lapse rate, it produces
 A) Stability B) Conditional instability
 C) Absolute stability D) Absolute instability
78. Which of the following is more accurate in measuring the height of the surface features?
 A) RADAR B) DEM
 C) LIDAR D) DTM
79. 'Earth Day' is observed on
 A) January 22nd B) June 22nd
 C) April 22nd D) March 22nd
80. Spacing of contour lines indicate
 A) Amount of slope B) Direction of slope
 C) Land use D) Height above mean sea level
81. The first true operational G I S in Canada was developed by:
 A) Roger Tomlinson B) Simmons
 C) Jack Dangermont D) William Burroughs
82. Malthus suggested one of the following:
 A) Possible checks B) Positive checks
 C) Impossible checks D) Imperative checks
83. One of the following islands likely to be submerged if the sea level rises by 50 cm due to global warming:
 A) Rameshwaram B) Jawa
 C) Maldives D) Sri Lanka
84. Willey-willies are
 A) Cold dry winds of China B) Warm sultry winds of deserts
 C) Thunderstorms of Sahara D) Tropical cyclones of Australia
85. Which of the following winds blow down the leeward slope of the Northern Alps in Switzerland:
 A) Fohn B) Sirocco
 C) Mistral D) Chinook

96. 'An outer commuting zone of an urban area' is known as a
 A) CBD B) Shadow city
 C) Suburb D) Blight city
97. The most important water pollutant in West Bengal is
 A) Lead B) Cadmium
 C) Mercury D) Arsenic
98. State with lowest sex ratio as per Census 2011 is
 A) Tamil Nadu B) Jammu and Kashmir
 C) Punjab D) Maharastra
99. Which of the following is **NOT** a member of SAARC?
 A) Bhutan B) Nepal
 C) Myanmar D) Maldives
100. Vembanad Lake is an example of
 A) An ox-bow lake B) A glacial lake
 C) A backwater D) A tarn lake
101. A region is named after the properties found
 A) At its core B) At its periphery
 C) Here and there in the regions D) At its boundary
102. The process of population decentralization from the city to country side is known as
 A) Decentralization B) Counter urbanization
 C) Conurbation D) Emigration
103. Agenda 21 is an action plan of U N adopted at the Conference held in:
 A) Kyoto B) Rio de Janeiro
 C) Amsterdam D) New York
104. 'A classification of Indian cities' is given by
 A) A.Ramesh B) R.L.Singh
 C) Asok Mitra D) B.J.L.Berry
105. A 'doab' is the land between
 A) Two tributaries of a river B) Two separate rivers
 C) Two or more rivers meet D) Two hills
106. Haggerstand's 'diffusion model' is
 A) Deterministic B) Probabilistic
 C) Descriptive D) Generalistic
107. In India, Jhum cultivation is mostly practised in the
 A) North-East B) North-West
 C) South D) West

Use the following options as answer key for all the questions of Assertion/Reason type (118 – 120):

- A) Both [A] and [R] are true and [R] is the correct reason
- B) Both [A] and [R] are true but [R] is **NOT** the correct reason
- C) [A] is true but [R] is false
- D) [A] is false but [R] is true

118. **Assertion [A]:** Scientific development is least during the Dark Ages.
Reasoning [R]: Religious faiths dominated the society.
119. **Assertion [A]:** In India, petroleum resources are found in sedimentary basins.
Reasoning [R]: Sedimentary basins favour the formation of petroleum resources.
120. **Assertion [A]:** Less than half of the world population is living in urban areas
Reasoning [R]: The growth of urban population in the advanced countries is low.
